ISSN 0166-218X

DISCRETE APPLIED MATHEMATICS

MASTER INDEX
VOLUMES 51–60

COMBINATORIAL
ALGORITHMS
OPTIMIZATION AND
COMPUTER SCIENCE

NORTH-HOLLAND

DISCRETE APPLIED MATHEMATICS

EDITOR-IN-CHIEF Peter L. Hammer, New Brunswick (NJ)

ADVISORY EDITORS

E. Balas, Pittsburgh (PA)
C. Berge, Paris
G.B. Dantzig, Stanford (CA)
P.C. Fishburn, Murray Hill (NJ)
M.A. Harrison, Berkeley (CA)
T. Ibaraki, Kyoto
V.L. Klee, Seattle (WA)
B. Korte, Bonn
G.-C. Rota, Cambridge (MA)
B. Trakhtenbrot, Ramat Aviv

BOARD OF EDITORS

N. Alon, Ramat Aviv
D. Avis, Montreal (Que.)
C. Benzaken, Grenoble
J.-C. Bermond, Sophia Antipolis
K.P. Bogart, Hanover (NH)
R.E. Burkard, Graz
V. Chvátal, New Brunswick (NJ)
D.G. Corneil, Toronto (Ont.)
D. de Werra, Lausanne
S. Fujishige, Tsukuba
F. Giannessi, Pisa
M.C. Golumbic, Ramat Gan
R.L. Graham, Murray Hill (NJ)
P. Hansen, Montréal (Qué.)
F. Harary, Las Cruces (NM)
P. Hell, Burnaby (B.C.)
A.J. Hoffman, Yorktown Heights (NY)
M. Iri, Tokyo
G. Kalai, Jerusalem
R.M. Karp, Berkeley (CA)
D.J. Kleitmann, Cambridge (MA)
J. Krarup, Copenhagen
T. Lengauer, St. Augustin
M. Lomonosov, Beer Sheva
L. Lovász, New Haven (CT)
F. Maffioli, Milano
C. McDiarmid, Oxford
N. Megiddo, San Jose (CA); and Tel Aviv
R.H. Möhring, Berlin
G.L. Nemhauser, Atlanta (GA)
H. Noltemeïer, Würzburg
A. Prekopa, New Brunswick (NJ)
R.C. Read, Waterloo (Ont.)
F.S. Roberts, New Brunswick (NJ)
M. Saks, New Brunswick (NJ)
A. Salomaa, Turku
A. Schrijver, Amsterdam
M. Segal, Holmdel (NJ)
Z. Wan, Beijing
M. Yannakakis, Murray Hill (NJ)

EDITORIAL MANAGER Nelly Segal, New Brunswick (NJ)

SUBSCRIPTION INFORMATION

Discrete Applied Mathematics (ISSN 0166-218X). For 1995 Volumes 56–63 are scheduled for publication. A combined subscription to Discrete Applied Mathematics and Discrete Mathematics (Vols. 134–146) at reduced rate is available. Subscription prices are available upon request from the publisher. Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by surface mail except to the following countries where air delivery via SAL is ensured: Argentina, Australia, Brazil, Canada, Hong Kong, India, Israel, Japan, Malaysia, Mexico, New Zealand, Pakistan, PR China, Singapore, South Africa, South Korea, Taiwan, Thailand, USA. For all other countries airmail rates are available upon request.

Claims for missing issues must be made within six months of our publication (mailing) date.

Please address all your requests regarding orders and subscription queries to: Elsevier Science B.V., Journal Department, P.O. Box 211, 1000 AE Amsterdam, The Netherlands. Tel.: 31-20-4853642, fax: 31-20-4853598.

© 1995 – Elsevier Science B.V.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the Publisher, Elsevier Science B.V., Copyright & Permissions Department, P.O. Box 521, 1000 AM Amsterdam, Netherlands.

Special regulations for authors—Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the Publisher. This transfer will ensure the widest possible dissemination of information.

Special regulations for readers in the USA—This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by Sections 107 or 108 of the US Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA. If no code appears in an article, the author has not given broad consent to copy and permission to copy must be obtained directly from the author. The fee indicated on the first page of an article in this issue will apply retroactively to all articles published in the journal, regardless of the year of publication. This consent does not extend to other kinds of copying such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the Publisher for such copying.

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein.

Although all advertising material is expected to conform to ethical standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

♾ The paper used in this publication meets the requirements of ANSI/NISO 239.48-1992 (Permanence of Paper)

0166-218X/95/$09.50

Printed in The Netherlands

DISCRETE APPLIED MATHEMATICS

DISCRETE APPLIED MATHEMATICS

COMBINATORIAL
ALGORITHMS
OPERATIONS RESEARCH AND
COMPUTER SCIENCE

MASTER INDEX
VOLUMES 51–60

ELSEVIER

Amsterdam – Lausanne – New York – Oxford – Shannon – Tokyo

Abstracted/Indexed in:
ACM Computing Reviews
Cambridge Scientific Abstracts
Current Contents: Physical, Chemical & Earth Sciences
Engineering Index/Compendex
INSPEC Information Services
International Abstracts in Operations Research
Mathematical Reviews
PASCAL
Science Citation Index
Statistical Theory and Method Abstracts
Zentralblatt für Mathematik

© 1995 – Elsevier Science B.V.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the Publisher, Elsevier Science B.V., Copyright & Permissions Department, P.O. Box 521, 1000 AM Amsterdam, Netherlands.

Special regulations for authors—Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the Publisher. This transfer will ensure the widest possible dissemination of information.

Special regulations for readers in the USA—This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by Sections 107 or 108 of the US Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA. If no code appears in an article, the author has not given broad consent to copy and permission to copy must be obtained directly from the author. The fee indicated on the first page of an article in this issue will apply retroactively to all articles published in the journal, regardless of the year of publication. This consent does not extend to other kinds of copying such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the Publisher for such copying.

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein.

Although all advertising material is expected to conform to ethical standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

♾ The paper used in this publication meets the requirements of ANSI/NISO 239.48-1992 (Permanence of Paper)

0166-218X/95/$09.50

PRINTED IN THE NETHERLANDS

Editor-in-Chief

P.L. Hammer, RUTCOR – Rutgers Center for Operations Research, Rutgers University, P.O. Box 5062, New Brunswick, NJ 08903-5062, USA

Advisory Editors

E. Balas, Graduate School of Industrial Administration, Carnegie-Mellon University, Schenley Park, Pittsburgh, PA 15213, USA
C. Berge, E.R. Combinatoire, Centre de Mathématique Sociale, 54 Boulevard Raspail, 75270 Paris Cedex 06, France
G.B. Dantzig, Department of Operations Research, Stanford University, Terman Engr. Center, Stanford, CA 94305, USA
P.C. Fishburn, AT&T Bell Laboratories, 600 Mountain Avenue, Murray Hill, NJ 07974, USA
M.A. Harrison, Computer Science Division, University of California, Berkeley, CA 94720, USA
T. Ibaraki, Department of Applied Mathematics & Physics, Faculty of Engineering, Kyoto University, Kyoto 606, Japan
V.L. Klee, Department of Mathematics, University of Washington, Seattle, WA 98195, USA
B. Korte, Abteilung Operations Research, Universität Bonn, Nassestrasse 2, D-53113 Bonn, Germany
G.-C. Rota, Department of Mathematics, Massachusetts Institute of Technology, Cambridge, MA 02139, USA
B. Trakhtenbrot, Department of Mathematics, Tel Aviv University, Ramat Aviv, Israel

Board of Editors

N. Alon, Department of Mathematics, Tel Aviv University, Ramat Aviv, Israel
D. Avis, School of Computer Science, McGill University, 805 Sherbrooke Street West, Montreal, P.Q., Canada H3A 2K6
C. Benzaken, Institute of Advanced Mathematics, Scientific and Medical, University of Grenoble, BP 53X, 38041 Grenoble Cedex, France
J.-C. Bermond, Laboratoire I3S-CNRS, Université de Nice-Sophia Antipolis, Bât ESSI-BP 145, 930, Route des Colles, F-06903 Sophia-Antipolis Cedex, France
K.P. Bogart, Mathematics & Computer Science Department, Dartmouth College, Hanover, NH 03755, USA
R.E. Burkard, Institut für Mathematik, Technische Universität Graz, Kopernikus-Gasse 24, A-8010 Graz, Austria
V. Chvátal, Department of Computer Science, Rutgers University, Hill Center, Busch Campus, New Brunswick, NJ 08903, USA
D.G. Corneil, Department of Computer Science, University of Toronto, Toronto, Ont., Canada M5S 1A4
D. de Werra, École Polytechnique Fédérale de Lausanne, Departement de Mathématiques, MA (Ecublens), Lausanne, CH-1015, Switzerland
S. Fujishige, Institute of Socio Economic Planning, University of Tsukuba, Tsukuba, Ibaraki 305, Japan
F. Giannessi, Dipartimento di Matematica, Universita di Pisa, Via Buonarroti 2, 56127 Pisa, Italy
M.C. Golumbic, Department of Mathematics and Computer Science, Bar-Ilan University, Ramat Gan, Israel
R.L. Graham, AT&T Bell Laboratories, 600 Mountain Avenue, Room 2C-382, Murray Hill, NJ 07974, USA
P. Hansen, GERAD-HEC, École Polytechnique Montréal, 5255 Ave. Decelles, Montréal, Qué., Canada H3T 1V6
F. Harary, Department of Computer Science, New Mexico State University, Las Cruces, NM 88003, USA

P. Hell, Department of Computer Science, Simon Fraser University, Burnaby, B.C., Canada V5A 1S6
A.J. Hoffman, IBM Thomas Watson Research Center, Mathematical Sciences Department, P.O. Box 218, Yorktown Heights, NY 10598, USA
M. Iri, Department of Math. Eng. & Inst. Physics, University of Tokyo, Faculty of Engineering, Bunkyo-Ku, Tokyo 113, Japan
G. Kalai, Department of Mathematics, The Hebrew University, Givat Ram, Jerusalem 91904, Israel
R.M. Karp, Department of E.E.& CS, University of California, Berkeley, 573 Evans Hall, Berkeley, CA 94720, USA
D.J. Kleitman, Department of Mathematics, Massachusetts Institute of Technology, Cambridge, MA 02139, USA
J. Krarup, DIKU, Universitetsparken 1, DK-2100 Copenhagen 0, Denmark
T. Lengauer, GMD-I1, Schloss Birlinghoven, D-53729 St. Augustin, Germany
M. Lomonosov, Department of Mathematics & Computer Science, Ben Gurion University at the Negev, P.O. Box 653, Beer Sheva 84105, Israel
L. Lovász, Department of Computer Science, Eötvös Loránd University, Muzeum krt. 6–8, H-1088 Budapest, Hungary
F. Maffioli, Dipartimento di Elettronica, Politecnico di Milano, Piazza Leonardo da Vinci 32, 20133 Milano, Italy
C. McDiarmid, Department of Statistics, University of Oxford, 1 South Parks Road, Oxford OX1 3TG, UK
N. Megiddo, IBM Almaden Research Center, 650 Harry Road, San Jose, CA 95120-6099, USA; and School of Mathematical Sciences, Tel Aviv University, Tel Aviv, Israel
R.H. Möhring, Technische Universität Berlin, Fachbereich Mathematik (MA 6-1), Strasse des 17. Juni 136, D-10623 Berlin, Germany
G.L. Nemhauser, School of Industrial & Systems Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0205, USA
H. Noltemeïer, Institut für Informatik, Universität Würzburg, Am Hubland, D-97074 Würzburg, Germany
A. Prekopa, RUTCOR Rutgers University, New Brunswick, NJ 08903, USA
R.C. Read, Department of Combinatorics and Optimization, University of Waterloo, Waterloo, Ont., Canada N2L 3G1
F.S. Roberts, Department of Mathematics, Rutgers University, Hill Center, New Brunswick, NJ 08903, USA
M. Saks, Department of Mathematics, Rutgers University, Hill Center, Busch Campus, New Brunswick, NJ 08903, USA
A. Salomaa, Department of Mathematics, University of Turku, SF-20500 Turku 50, Finland
A. Schrijver, Center for Mathematics and Computer Science, P.O. Box 4079, 1009 AB Amsterdam, Netherlands
M. Segal, AT&T Bell Laboratories, Crawfords Corner Road, Room 3L 303, Holmdel, NJ 07733-1988, USA
Z. Wan, Institute of Systems Science, Academia Sinica, Beijing 100080, People's Rep. of China
M. Yannakakis, AT&T Bell Laboratories, 2C-319, 600 Mountain Avenue, Murrary Hill, NJ 07974, USA

ELSEVIER

DISCRETE
APPLIED
MATHEMATICS

List of Referees: Volumes 51–60

DISCRETE APPLIED MATHEMATICS has continuously benefitted from the kind assistance of a great number of referees. We hereby express our gratitude for their sustained efforts, without which our activity could not have been carried out.

The Editors

H. Abeledo
R. Aharoni
M. Aigner
Y. Alavi
N. Alon
D. Amar
E.J. Anderson
M.H.G. Anthony
S.R. Arikati
D. Avis

A. Bachem
E. Balas
H.-J. Bandelt
F. Barahona
W.W. Bein
L.W. Beineke
C. Benzaken
O. Berman
A.A. Bertossi
D. Bienstock
A. Blumer
K.P. Bogart
G. Bohus
E. Boros
A. Brandstadt
C. Brezovec
H.J. Broersma
P. Brucker
R.E. Burkard

J. Carlier
O. Cepek
S.T. Chakradhar
N. Chandrasekharan
G.J. Chang
B. Chazelle
B. Cherkassky
Chi Wang
F.R.K. Chung
R.J. Cimikowski
C.J. Colbourn
R. Connelly
W. Cook
S. Cosares
D. Cowan
Y. Crama

E. Dahlhaus
P. Damaschke
C. Delorme
J. Demetrovics
G. Ding
J. Doignon
R.D. Dutton

D. Eppstein
R. Euler

U. Faigle
S. Fajtlowicz
A. Farley
R.J. Faudree

S. Fekete
M.R. Fellows
S. Felsner
M.A. Fiol
M. Fischetti
P.C. Fishburn
J. Fonlupt
F.J. Fuglister
S. Fujishige

H.N. Gabow
B. Gavish
F. Gavril
J. Gerdes
J.R. Gilbert
M.X. Goemans
M.K. Goldberg
M.C. Golumbic
D.R. Guichard
V.A. Gurvich
I. Gutman
A. Gyarfas

G. Hahn
L. Hall
H.W. Hamacher
S. Hambrusch
Y.H. Harris Kwong
M.A. Harrison
R. Hassin
R.B. Hayward

Elsevier Science B.V.

S.T. Hedetniemi
K. Heinrich
A. Hertz
D.S. Hochbaum
W. Hochstattler
A.J. Hoffman
K.W. Hoke
S.P. Hong
J.A. Hoogeveen
J. Hromkovic
H. Hurink
J. Hurnik
F.K. Hwang

T. Ibaraki
G. Isaak
M. Ismail
A. Itai

M.S. Jacobson
A. Janiak
K. Jansen
R.H. Jeurissen
S. Judd
D. Jungnickel

J. Kalvenes
M. Karonski
D. Kavvadias
A.D. Keedwell
C. Kenyon
R. Klasing
P. Kleinschmidt
W. Knodel
Y. Kobayashi
A. Kogan
W. Kordecki
B. Korte
D. Kratsch
M. Krause
S. Kromberg

S. Landau
M. Laurent
C. Lee
R.C.T. Lee
J. Lehel
P. Lemke
J. Leung
J.Y.-T. Leung
L. Libkin
A.L. Liestman
N. Linial
R.J. Lipton
J.W.H. Liu
Liu Yanpei
E.L. Lloyd
S. Lloyd
M. Loebl
M. Lomonosov
L. Lovasz
A. Lubiw
T. Luczak
J.R. Lundgren

J. MacGregor Smith
W. Mader
F. Maffioli
F. Maffray
A.R. Mahjoub
H.M. Mahmoud
Y. Manabe
U. Manber
H. Mannila
Y. Manoussakis
M. Matsumoto
U. Maurer
C. McDiarmid
N. Megiddo
K. Mehlhorn
G.C. Meletiou
R. Meshulam
F. Miller Maley
J. Mitas
R.H. Mohring
M. Molloy
C.L. Monma

J. Naor
J. Nesetril
H. Noltemeier

S. Onn
E.T. Ordman
J.B. Orlin

E.M. Palmer
J.K. Park
M. Paterson
A. Pelc
U.N. Peled
D. Peleg
Y. Perl
C. Picouleau
M. Pirlot
G. Plateau
A. Pluhar
M.E. Posner
C.N. Potts
M. Preissmann
A. Prodon
A. Proskurowski
L. Pyber

P. Ragde
G. Rago
D.F. Rall
C. Rasmussen
R. Ravi
D. Raz
R.C. Read
A. Recski
K.B. Reid
F. Rendl
D. Richards
F.S. Roberts
I.G. Rosenberg
A. Rosenfeld
F. Rossi
G. Rote
G. Rozenberg
A. Rucinski
I. Rusu

H. Sachs
R. Saigal
D. Sakai Troxell
M. Saks
A. Salomaa
D.P. Sanders
E.R. Scheinerman
R.H. Schelp
I. Schiermeyer
K.E. Schilling
R. Schrader
A. Schrijver
N. Seifter
P. Serafini
S. Seshadri
R. Shamir
T. Shermer
D. Shmoys
H.U. Simon
A. Sinclair
J. Skorin-Kapov
D.J. Skrien
M. Slusarek
P. Sole
J. Sorenson
J. Spinrad
S. Sridhar
V.A. Strusevich
I.H. Sudborough
X. Sun
G. Sundaram
S. Sundaram
M. Szegedy
J.L. Szwarcfiter

L. Takacs
A. Tamir
N. Tandareanu
F. Tardella
G. Tardos
G. Tel
C. Thomassen
G. Tinhofer
C.A. Tovey
B. Trakhtenbrot
A. Trenk
W.T. Trotter
S. Tsukiyama
A. Tucker
G. Turan
Z. Tuza

S. Ueno

J.A.A. van der Veen
S. Van Hoesel
H. Van Tilborg
J.H. Vande Vate
T.P. Vaughan
L. Volkmann
K. Wada
A.P.M. Wagelmans
D. Wagner
Y. Wakabayashi
W.D. Wallis
H. Walther
Z.-x. Wan
M.S. Waterman
P.M. Weichsel
J.R. Weisinger
M. Weismantel
R. Wenger
W. Wenzel
F. Werner
D.B. West
F. Wettl
H. Wilf
T. Wilke
C. Witzgall
L.A. Wolsey
D.R. Woodall

S.-j. Xu

M. Yamashita
M. Yannakakis

M. Zheng
G.M. Ziegler
S. Znam

ELSEVIER

DISCRETE
APPLIED
MATHEMATICS

Master Index: Volumes 51–60

Aarts, E., see J. Korst	51 (1994)	291–305
Abeledo, H.G. and U.G. Rothblum, Stable matchings and linear inequalities	54 (1994)	1– 27
Abu-Jaradeh, N. and D.L. Powers, Heat conduction on graphs	52 (1994)	1– 16
Adams, W.P., see H.D. Sherali	52 (1994)	83–106
Alfter, M. and W. Hochstättler, On pseudomodular matroids and adjoints	60 (1995)	3– 11
Alon, N., J. Spencer and P. Tetali, Covering with latin transversals	57 (1995)	1– 10
Amaldi, E., E. Mayoraz and D. de Werra, A review of combinatorial problems arising in feedforward neural network design	52 (1994)	111–138
Andersen, L.D. and H. Fleischner, The NP-completeness of finding A-trails in Eulerian graphs and of finding spanning trees in hypergraphs	59 (1995)	203–214
Annan, J.D., The complexities of the coefficients of the Tutte polynomial	57 (1995)	93–107
Annexstein, F. and J. Franco, Work-preserving emulations of shuffle-exchange networks: an analysis of the complex plane diagram	60 (1995)	13– 23
Anthony, M. and J. Shawe-Taylor, A result of Vapnik with applications Discrete Applied Mathematics 47 (1994) 207–217	52 (1994)	211–211
Aoki, Y., Probing the arrangement of hyperplanes	56 (1995)	101–125
Arkin E.M. and R. Hassin, Approximation algorithms for the Geometric Covering Salesman Problem	55 (1994)	197–218
Aurenhammer, F., M. Formann, R.M. Idury, A.A. Schäffer and F. Wagner, Faster isometric embedding in products of complete graphs	52 (1994)	17– 28
Babel, L. and G. Tinhofer, Hard-to-color graphs for connected sequential colorings	51 (1994)	3– 25
Bagchi, A., B. Servatius and W. Shi, 2-satisfiability and diagnosing faulty processors in massively parallel computing systems	60 (1995)	25– 37

Elsevier Science B.V.

Bar-Noy, A., F.K. Hwang, I. Kessler and S. Kutten, A new competitive algorithm for group testing	52 (1994)	29– 38
Bar-Noy, A. and S. Kipnis, Broadcasting multiple message in simultaneous send/receive systems	55 (1994)	95–105
Bar-Noy, A., S. Kipnis and B. Schieber, Optimal computation of census functions in the postal model	58 (1995)	213–222
Barth, D., J. Bond and A. Raspaud, Compatible eulerian circuits in K_n^{**}	56 (1995)	127–135
Barthélemy, J.-P., O. Hudry, G. Isaak, F.S. Roberts and B. Tesman, The reversing number of a digraph	60 (1995)	39– 76
Baumann, U., On edge-hamiltonian Cayley graphs	51 (1994)	27– 37
Bein, W.W., P. Brucker, J.K. Park and P.K. Pathak, A Monge property for the d-dimensional transportation problem	58 (1995)	97–109
Bendisch, J., W. Derigs and A. Metz, An efficient matching algorithm applied in statistical physics	52 (1994)	139–153
Benelli, M. and R. Hassin, Optimal separable partitioning in the plane	59 (1995)	215–224
Benjamin, A.T., C. Converse, and H.A. Krieger, How do I marry thee? Let me count the ways	59 (1995)	285–292
Berkman, O. and U. Vishkin, Almost fully-parallel parentheses matching	57 (1995)	11– 28
Berman, K.A., J. Franco and J.S. Schlipf, Unique satisfiability of Horn sets can be solved in nearly linear time	60 (1995)	77– 91
Birge, J.R. and M.A.H. Dempster, Optimal match-up strategies in stochastic scheduling	57 (1995)	105–120
Blokh, D. and G. Gutin, Maximizing traveling salesman problem for special matrices	56 (1995)	83– 86
Bodlaender, H.L., Improved self-reduction algorithms for graphs with bounded treewidth	54 (1994)	101–115
Bodlaender, H.L., K. Jansen and G.J. Woeginger, Scheduling with incompatible jobs	55 (1994)	219–232
Boesch, F.T., X. Li and J. Rodriguez, Graphs with most number of three point induced connected subgraphs	59 (1995)	1– 10
Bogart, K.P., J. Bonin and J. Mitas, Interval orders based on weak orders	60 (1995)	93– 98
Bogart, K.P., P.C. Fishburn, G. Isaak and L. Langley, Proper and unit tolerance graphs	60 (1995)	99–117
Bond, J., see D. Barth	56 (1995)	127–135
Bonin, J., see K.P. Bogart	60 (1995)	93– 98
Boros, E., P.L. Hammer and X. Sun, Recognition of q-Horn formulae in linear time	55 (1994)	1– 13
Boyar, J., F. Fich and K.S. Larsen, Bounds on certain multiplications of affine combinations	52 (1994)	155–167

Bräsel, H., D. Kluge and F. Werner, A polynomial algorithm for an open shop problem with unit processing times and tree constraints	59 (1995)	11– 21
Broersma, H.J. and I. Schiermeyer, Subgraphs, closures and hamiltonicity	51 (1994)	39– 46
Brooks, J.A., see F.L. Van Scoy	53 (1994)	321–336
Bruck, J., On optimal broadcasting in faulty hypercubes	53 (1994)	3– 13
Brucker, P., see W.W. Bein	58 (1995)	97–109
Butkovič, P., Regularity of matrices in min-algebra and its time complexity	57 (1995)	121–132
Cai, M.-C., An algorithm for an Eulerian trail traversing specified edges in given order	55 (1994)	233–329
Cameron, H. and D. Wood, Maximal path length of binary trees	55 (1994)	15– 35
Carlisle, M.C. and E.L. Lloyd, On the k-coloring of intervals	59 (1995)	225–235
Carpentieri, M., Some democratic secret sharing schemes	59 (1995)	293–298
Cechlárová, K., Trapezoidal matrices and the bottleneck assignment problem	58 (1995)	111–116
Chao, S.X., see A. Quilliot	51 (1994)	159–170
Cheng, P. and S. Masuyama, A lower bound of the expected maximum number of edge-disjoint s–t paths on probabilistic graphs	56 (1995)	137–155
Cheston, G.A. and G. Fricke, Classes of graphs for which upper fractional domination equals independence, upper domination, and upper irredundance	55 (1994)	241–258
Chlebus, B.S., K. Diks and A. Pelc, Fast gossiping with short unreliable messages	53 (1994)	15– 24
Cohn, M., On the channel capacity of read/write isolated memory	56 (1995)	1– 8
Colbourn, C.J., J.S. Provan and D. Vertigan, A new approach to solving three combinatorial enumeration problems on planar graphs	60 (1995)	119–129
Cole, T., Some results on greedy algorithm conjectures	52 (1994)	169–194
Comellas, F. and M.A. Fiol, Vertex-symmetric digraphs with small diameter	58 (1995)	1– 11
Converse, C., see A.T. Benjamin	59 (1995)	285–292
Courcelle, B., The monadic second order logic of graphs VI: On several representations of graphs by relational structures	54 (1994)	117–149
Culik II, K. and I. Friš, Weighted finite transducer in image processing	58 (1995)	223–237
Czyzowicz, J., E. Rivera-Campo and J. Urrutia, Separation of convex sets	51 (1994)	325–328

Dahlhaus, E., A parallel algorithm for computing Steiner trees in strongly chordal graphs	51 (1994)	47– 61
Dahlhaus, E., Efficient parallel recognition algorithms of cographs and distance hereditary graphs	57 (1995)	29– 45
Dahlhaus, E. and P. Damaschke, The parallel solution of domination problems on chordal and strongly chordal graphs	52 (1994)	261–273
Damaschke, P., PLA Folding in special graph classes	51 (1994)	63– 74
Damaschke, P., see E. Dahlhaus	52 (1994)	261–273
Dankelmann, P., Average distance and independence number	51 (1994)	75– 83
de Aragão, M.P., see P. Hansen	60 (1995)	181–193
de Fraysseix, H., P. Ossona de Mendez and P. Rosenstiehl, Bipolar orientations revisited	56 (1995)	157–179
de la Higuera, C., see A. von Arnim	51 (1994)	219–232
Dempster, M.A.H., see J.R. Birge	57 (1995)	105–120
Derigs, W., see J. Bendisch	52 (1994)	139–153
de Werra, D., On an optimization problem occurring in FMSs: A hypergraph-theoretical formulation	55 (1994)	107–111
de Werra, D., see E. Amaldi	52 (1994)	111–138
Deza, M. and V.P. Grishukhin, L-polytopes and equiangular lines	56 (1995)	181–217
Deza, M. and M. Laurent, Hypercube embedding of generalized bipartite metrics	56 (1995)	215–230
Diks, K., see B.S. Chlebus	53 (1994)	15– 24
Djelloul, S., Broadcasting in m-dimensional grid graphs with a given neighborhood template	53 (1994)	25– 36
Du, D.-Z., On component-size bounded Steiner trees	60 (1995)	131–140
Edwards, K. and C. McDiarmid, The complexity of harmonious colouring for trees	57 (1995)	133–144
Eiter, T., P. Kilpeläinen and H. Mannila, Recognizing renamable generalized propositional Horn formulas is NP-complete	59 (1995)	23– 31
Enflo, P., A. Granville, J. Shallit and S. Yu, On sparse languages L such that $LL = \Sigma^*$	52 (1994)	275–285
Erdös, P. and P.C. Fishburn, Multiplicities of interpoint distances in finite planar sets	60 (1995)	141–147
Erdös, P. and P. Fishburn, Intervertex distances in convex polygons	60 (1995)	149–158
Ervolina, T.R., see S.T. McCormick	52 (1994)	53– 70
Faigle, U., N. Gademann and W. Kern, A random polynomial time algorithm for well-rounding convex bodies	58 (1995)	117–144

Faigle, U. and W.M. Nawijn, Note on scheduling intervals on-line	58 (1995)	13– 17
Farley, A.M. and A. Proskurowski, Bounded-call broadcasting	53 (1994)	37– 53
Feldmann, R., J. Hromkovič, S. Madhavapeddy, B. Monien and P. Mysliwietz, Optimal algorithms for dissemination of information in generalized communication modes	53 (1994)	55– 78
Felsner, S., J. Gustedt, M. Morvan and J.-X. Rampon, Constructing colorings for diagrams	51 (1994)	85– 93
Fich, F., see J. Boyar	52 (1994)	155–167
Fiechter, C.-N., A parallel tabu search algorithm for large traveling salesman problems	51 (1994)	243–267
Finizio, N.J., Z-cyclic whist tournaments with a patterned starter initial round	52 (1994)	287–293
Fiol, M.A., see F. Comellas	58 (1995)	1– 11
Fischetti, M., Clique tree inequalities define facets of the asymmetric traveling salesman polytope	56 (1995)	9– 18
Fishburn, P.C., see K.P. Bogart	60 (1995)	99–117
Fishburn, P.C., see P. Erdös	60 (1995)	141–147
Fishburn, P., see P. Erdös	60 (1995)	149–158
Fisher, D.C. and J. Ryan, Probabilities within optimal strategies for tournament games	56 (1995)	87– 91
Flandrin, E., J.L. Fouquet and H. Li, Hamiltonicity of bipartite biclaw-free graphs	51 (1994)	95–102
Fleischner, H., see L.D. Andersen	59 (1995)	203–214
Formann, M., see F. Aurenhammer	52 (1994)	17– 28
Fouquet, J.L., see E. Flandrin	51 (1994)	95–102
Fraigniaud, P. and E. Lazard, Methods and problems of communication in usual networks	53 (1994)	79–133
Franco, J., see F. Annexstein	60 (1995)	13– 23
Franco, J., see K.A. Berman	60 (1995)	77– 91
Fricke, G., see G.A. Cheston	55 (1994)	241–258
Frieze, A. and M. Molloy, Broadcasting in random graphs	54 (1994)	77– 79
Friš, I., see K. Culik II	58 (1995)	223–237
Fukuda, K. and M. Namiki, Finding all common bases in two matroids	56 (1995)	231–243
Gademann, N., see U. Faigle	58 (1995)	117–144
Galbiati, G. and F. Maffioli, On the computation of pfaffians	51 (1994)	269–275
Gallo, G. and D. Pretolani, A new algorithm for the propositional satisfiability problem	60 (1995)	159–179
Gargano, L., A.L. Liestman, J.G. Peters and D. Richards, Reliable broadcasting	53 (1994)	135–148

Gautier, A. and F. Granot, On the equivalence of constrained and unconstrained flows	55 (1994)	113–132
Gavril, F. and J. Urrutia, Intersection graphs of concatenable subtrees of graphs	52 (1994)	195–209
Gerbessiotis, A.V., Broadcasting in random graphs	53 (1994)	149–170
Glazebrook, K.D., Stochastic scheduling and forwards induction	57 (1995)	145–165
Goemans, M.X., Arborescence polytopes for series-parallel graphs	51 (1994)	277–289
Gómez, J., P. Morillo and C. Padró, Large (d, D, D', s)-bipartite digraphs	59 (1995)	103–114
Gordeev, E.N., see Yu.N. Sotskov	58 (1995)	169–190
GowriSankaran, C., Broadcasting on recursively decomposable Cayley graphs	53 (1994)	171–182
Granot, F., see A. Gautier	55 (1994)	113–132
Granville, A., see P. Enflo	52 (1994)	275–285
Grinstead, D.L. and P.J. Slater, A recurrence template for several parameters in series-parallel graphs	54 (1994)	151–168
Grishukhin, V.P., see M. Deza	56 (1995)	181–217
Gustedt, J., see S. Felsner	51 (1994)	85– 93
Gutin, G., see D. Blokh	56 (1995)	83– 86
Gutman, I., see X. Li	58 (1995)	293–297
Hadley, S.W., Approximation techniques for hypergraph partitioning problems	59 (1995)	115–127
Hammer, P.L., see E. Boros	55 (1994)	1– 13
Hanazawa, M., H. Narushima and N. Minaka, Generating most parsimonious reconstructions on a tree: A generalization of the Farris–Swofford–Maddison method	56 (1995)	245–265
Hanen, C. and A. Munier, A study of the cyclic scheduling problem on parallel processors	57 (1995)	167–192
Hansen, P., B. Jaumard and M.P. de Aragão, Boole's conditions of possible experience and reasoning under uncertainty	60 (1995)	181–193
Harant, J. and H. Walther, A lower bound for the shortness coefficient of a class of graphs	51 (1994)	103–105
Harley, P.J., see N.Y. Soma	57 (1995)	243–253
Hassin, R., see E.M. Arkin	55 (1994)	197–218
Hassin, R., see M. Benelli	59 (1995)	215–224
He, X. and D.B. Sher, On determining non-isotopic configurations of points on a circle	59 (1995)	33– 50
Hedetniemi, S.T., see R. Labahn	53 (1994)	235–245
Hell, P., Y. Manoussakis and Z. Tuza, Packing problems in edge-colored graphs	52 (1994)	295–306

Hertz, A., Polynomially solvable cases for the maximum stable set problem	60 (1995)	195–210
Ho, C.-T., see S. Lennart Johnsson	53 (1994)	251–274
Hoàng, C.T., Efficient algorithms for minimum weighted colouring of some classes of perfect graphs	55 (1994)	133–143
Hochstättler, W., see M. Alfter	60 (1995)	3– 11
Hoke, K., Extending shelling orders and a hierarchy of functions of unimodal simple polytopes	60 (1995)	211–217
Honkala, I., On (q, 1)-subnormal q-ary covering codes	52 (1994)	213–221
Hoogeveen, J.A., S.L. van de Velde and B. Veltman, Complexity of scheduling multiprocessor tasks with prespecified processor allocations	55 (1994)	259–272
Horton, S.B. and R.G. Parker, On Halin subgraphs and supergraphs	56 (1995)	19– 35
Hromkovič, J., see R. Feldmann	53 (1994)	55– 78
Hsueh, Y.-C., see J.J.M. Tan	59 (1995)	87–102
Hudry, O., see J.-P. Barthélemy	60 (1995)	39– 76
Hwang, F.K., The time complexity of deterministic broadcast radio networks	60 (1995)	219–222
Hwang, F.K., see A. Bar-Noy	52 (1994)	29– 38
Idury, R.M., see F. Aurenhammer	52 (1994)	17– 28
Isaak, G., see J.-P. Barthélemy	60 (1995)	39– 76
Isaak, G., see K.P. Bogart	60 (1995)	99–117
Ishii, H., see T. Masuda	52 (1994)	253–259
Istrate, G. and G. Păun, Some combinatorial properties of self-reading sequences	55 (1994)	83– 86
Jansen, K., Analysis of scheduling problems with typed task systems	52 (1994)	223–232
Jansen, K., see H.L. Bodlaender	55 (1994)	219–232
Jaumard, B., see P. Hansen	60 (1995)	181–193
Jiang, M., see F. Ruskey	57 (1995)	75– 84
Jurisch, B., Lower bounds for the job-shop scheduling problem on multi-purpose machines	58 (1995)	145–156
Karlander, J., Matrices generated by semilattices	59 (1995)	51– 56
Karzanov, A.V., Half-integral flows in a planar graph with four holes	56 (1995)	267–295
Kawagoe, K., see S. Negami	56 (1995)	323–331
Kazanovich, Y.B., see Y.S. Smetanich	57 (1995)	45– 66
Keeler, K. and J. Westbrook, Short encodings of planar graphs and maps	58 (1995)	239–252

Kern, W., see U. Faigle	58 (1995)	117–144
Kessler, I., see A. Bar-Noy	52 (1994)	29– 38
Kilpeläinen, P., see T. Eiter	59 (1995)	23– 31
Kinnersley, N.G. and M.A. Langston, Obstruction set isolation for the gate matrix layout problem	54 (1994)	169–213
Kipnis, S., see A. Bar-Noy	55 (1994)	95–105
Kipnis, S., see A. Bar-Noy	58 (1995)	213–222
Kitto, W.Z., A. Vince and D.C. Wilson, An isomorphism between the *p*-adic integers and a ring associated with a tiling of *N*-space by permutohedra	52 (1994)	39– 51
Klasing, R., B. Monien, R. Peine and E. Stöhr, Broadcasting in butterfly and de Bruijn networks	53 (1994)	183–197
Klavžar, S. and N. Seifter, Dominating Cartesian products of cycles	59 (1995)	129–136
Klinz, B., R. Rudolf and G.J. Woeginger, Permuting matrices to avoid forbidden submatrices	60 (1995)	223–248
Kluge, D., see H. Bräsel	59 (1995)	11– 21
Kogan, A., On the essential test sets of discrete matrices	60 (1995)	249–255
Kohli, R. and R. Krishnamurti, Joint performance of greedy heuristics for the integer knapsack problem	56 (1995)	37– 48
Kolen, A.W.J., A.H.G. Rinnooy Kan, C.P.M. van Hoesel and A.P.M. Wagelmans, Sensitivity analysis of list scheduling heuristics	55 (1994)	145–162
König, J.-C. and E. Lazard, Minimum *k*-broadcast graphs	53 (1994)	199–209
Korneyenko, N.M., Combinatorial algorithms on a class of graphs	54 (1994)	215–217
Kornilov, V.V., see Y.S. Smetanich	57 (1995)	45– 66
Korst, J., E. Aarts, J.K. Lenstra and J. Wessels, Periodic assignment and graph colouring	51 (1994)	291–305
Kortanek, K.O. and M. Yamasaki, Discrete infinite transportation problems	58 (1995)	19– 33
Kortsarz, G. and D. Peleg, Traffic-light scheduling on the grid	53 (1994)	211–234
Kratochvíl, J., A special planar satisfiability problem and a consequence of its NP-completeness	52 (1994)	233–252
Krieger, H.A., see A.T. Benjamin	59 (1995)	285–292
Krishnamurti, R., see R. Kohli	56 (1995)	37– 48
Kryński, S., Graphs in which all Hamiltonian cycles have the same length	55 (1994)	87– 89
Kubiak, W., New results on the completion time variance minimization	58 (1995)	157–168
Kučera, L. Expected complexity of graph partitioning problems	57 (1995)	193–212
Kutten, S., see A. Bar-Noy	52 (1994)	29– 38

Labahn, R., A minimum broadcast graph on 63 vertices	53 (1994)	247–250
Labahn, R., S.T. Hedetniemi and R. Laskar, Periodic gossiping on trees	53 (1994)	235–245
Laffond, G., J.F. Laslier and M. Le Breton, The Copeland measure of Condorcet choice functions	55 (1994)	273–279
Lagergren, J., The nonexistence of reduction rules giving an embedding into a *k*-tree	54 (1994)	219–223
Langley, L.J., A recognition algorithm for orders of interval dimension two	60 (1995)	257–266
Langley, L.J., Irreflexive and reflexive dimension	60 (1995)	267–273
Langley, L., see K.P. Bogart	60 (1995)	99–117
Langston, M.A., see N.G. Kinnersley	54 (1994)	169–213
Larsen, K.S., see J. Boyar	52 (1994)	155–167
Laskar, R., see R. Labahn	53 (1994)	235–245
Laslier, J.F., see G. Laffond	55 (1994)	273–279
Laurent, M., see M. Deza	56 (1995)	215–230
Lazard, E., see P. Fraigniaud	53 (1994)	79–133
Lazard, E., see J.-C. König	53 (1994)	199–209
Lazebnik, F. and V.A. Ustimenko, Explicit construction of graphs with an arbitrary large girth and of large size	60 (1995)	275–284
Leblanc, A., Finding degeneracies among sets of lines	56 (1995)	49– 60
Le Breton, M., see G. Laffond	55 (1994)	273–279
Lee, J. and W.D. Morris Jr, Geometric comparison of combinatorial polytopes	55 (1994)	163–182
Lennart Johnsson, S. and C.-T. Ho, Optimal communication channel utilization for matrix transposition and related permutations on binary cubes	53 (1994)	251–274
Lenstra, J.K., see J. Korst	51 (1994)	291–305
Leontev, V.K., see Yu.N. Sotskov	58 (1995)	169–190
Leung, J.Y.-T., V.K.M. Yu and W.-D. Wei, Minimizing the weighted number of tardy task units	51 (1994)	307–316
Li, H., see E. Flandrin	51 (1994)	95–102
Li, X. and I. Gutman, A unified approach to the first derivatives of graph polynomials	58 (1995)	293–297
Li, X. and F. Zhang, Hamiltonicity of a type of interchange graphs	51 (1994)	107–111
Li, X., see F.T. Boesch	59 (1995)	1– 10
Liestman, A.L., see L. Gargano	53 (1994)	135–148
Liu, W. and A. Vannelli, Generating lower bounds for the linear arrangement problem	59 (1995)	137–151
Liu, Z. and E. Sanlaville, Preemptive scheduling with variable profile, precedence constraints and due dates	58 (1995)	253–280
Lloyd, E.L., see M.C. Carlisle	59 (1995)	225–235

Lu, X., A note on biased and non-biased games	60 (1995)	285–291
MacGillivray, G., Graph homomorphisms with infinite targets	54 (1994)	29– 35
Macmahon, P.A., The combinations of resistances	54 (1994)	225–228
Madhavapeddy, S., see R. Feldmann	53 (1994)	55– 78
Maffioli, F., see G. Galbiati	51 (1994)	269–275
Maffray, F. and M. Preissmann, Linear recognition of pseudo-split graphs	52 (1994)	307–312
Mahajan, S. and J.G. Peters, Regularity and locality in k-terminal graphs	54 (1994)	229–250
Mahéo, M. and J.-F. Saclé, Some minimum broadcast graphs	53 (1994)	275–285
Mahéo, M. and J.-F. Saclé, Note on the problem of gossiping in multidimensional grids	53 (1994)	287–290
Mak, K.-T. and A.J. Morton, Distances between traveling salesman tours	58 (1995)	281–291
Mannila, H., see T. Eiter	59 (1995)	23– 31
Manoussakis, Y., Alternating paths in edge-colored complete graphs	56 (1995)	297–309
Manoussakis, Y., see P. Hell	52 (1994)	295–306
Masuda, T. and H. Ishii, Two machine open shop scheduling problem with bi-criteria	52 (1994)	253–259
Masuyama, S., see P. Cheng	56 (1995)	137–155
Matsui, T., The minimum spanning tree problem on a planar graph	58 (1995)	91– 94
Matsui, T. and S. Tamura, Adjacency on combinatorial polyhedra	56 (1995)	311–321
Matsui, T., see M. Shigeno	56 (1995)	333–343
Mautor, T. and C. Roucairol, A new exact algorithm for the solution of quadratic assignment problems	55 (1994)	281–293
Mayoraz, E., see E. Amaldi	52 (1994)	111–138
McClurkin, D.J., A lower bound for tree resolution	54 (1994)	37– 53
McCormick, S.T. and T.R. Ervolina, Computing maximum mean cuts	52 (1994)	53– 70
McDiarmid, C. see K. Edwards	57 (1995)	133–144
Melliar-Smith, P.M., see M. Valerio	54 (1994)	89– 96
Metz, A., see J. Bendisch	52 (1994)	139–153
Michallon, P. and D. Trystram, Practical experiments of broadcasting algorithms on a configurable parallel computer	53 (1994)	291–298
Minaka, N., see M. Hanazawa	56 (1995)	245–265
Mitas, J., see K.P. Bogart	60 (1995)	93– 98
Moffat, A., see O. Petersson	59 (1995)	153–179
Molloy, M., see A. Frieze	54 (1994)	77– 79

Monien, B., see R. Feldmann	53 (1994)	55– 78
Monien, B., see R. Klasing	53 (1994)	183–197
Morillo, J.P., see J. Gómez	59 (1995)	103–114
Morris Jr, W.D., see J. Lee	55 (1994)	163–182
Morton, A.J., see K.-T. Mak	58 (1995)	281–291
Morvan, M., see S. Felsner	51 (1994)	85– 93
Moser, L.E., see M. Valerio	54 (1994)	89– 96
Motwani, R. and M. Sudan, Computing roots of graphs is hard	54 (1994)	81– 88
Munier, A. see C. Hanen	57 (1995)	167–192
Mysliwietz, P., see R. Feldmann	53 (1994)	55– 78
Nair, K.P.K., see A.P. Punnen	55 (1994)	91– 93
Namiki, M., see K. Fukuda	56 (1995)	231–243
Narushima, H., see M. Hanazawa	56 (1995)	245–265
Nawijn, W.M., see U. Faigle	58 (1995)	13– 17
Negami, S. and K. Kawagoe, Polynomial invariants of graphs with state models	56 (1995)	323–331
Nešetřil, J., On ordered graphs and graph orderings	51 (1994)	113–116
Niessen, T., How to find overfull subgraphs in graphs with large maximum degree	51 (1994)	117–125
Nishizeki, T. and S. Poljak, k-Connectivity and decomposition of graphs into forests	55 (1994)	295–301
Norris, N., Universal covers of graphs: isomorphism to depth $n-1$ implies isomorphism to all depths	56 (1995)	61– 74
Nutov, Z. and M. Penn, On the integral dicycle packings and covers and the linear ordering polytope	60 (1995)	293–309
Ossona de Mendez, P., see H. de Fraysseix	56 (1995)	157–179
Padró, C., see J. Gómez	59 (1995)	103–114
Park, J.K., see W.W. Bein	58 (1995)	97–109
Parker, R.G., see S.B. Horton	56 (1995)	19– 35
Pathak, P.K., see W.W. Bein	58 (1995)	97–109
Păun, G., see G. Istrate	55 (1994)	83– 86
Peine, R., see R. Klasing	53 (1994)	183–197
Pelc, A., see B.S. Chlebus	53 (1994)	15– 24
Peled, U.N. and F. Sun, Enumeration of difference graphs	60 (1995)	311–318
Peleg, D., see G. Kortsarz	53 (1994)	211–234
Penn, M., see Z. Nutov	60 (1995)	293–309
Penne, R., Isostatic bar and joint frameworks in the plane with irreducible pure conditions	55 (1994)	37– 57
Penrice, S.G., On-line algorithms for ordered sets and comparability graphs	60 (1995)	319–329

Peters, J.G., see L. Gargano 53 (1994) 135–148
Peters, J.G., see S. Mahajan 54 (1994) 225–250
Petersson, O. and A. Moffat, A framework for adaptive sorting 59 (1995) 153–179
Pfeiffer, F., A note on the half-integral multiflow-problem restricted to minor-closed classes of graphs 51 (1994) 127–135
Picouleau, C., New complexity results on scheduling with small communication delays 60 (1995) 331–342
Pochet, Y. and L.A. Wolsey, Integer knapsack and flow covers with divisible coefficients: polyhedra, optimization and separation 59 (1995) 57– 74
Poguntke, W., On reliable graphs with static routing plans 51 (1994) 137–146
Poljak, S., see T. Nishizeki 55 (1994) 295–301
Powers, D.L., see N. Abu-Jaradeh 52 (1994) 1– 16
Preissmann, M., see F. Maffray 52 (1994) 307–312
Pretolani, D., see G. Gallo 60 (1995) 159–179
Prisner, E., Algorithms for interval catch digraphs 51 (1994) 147–157
Prisner, E., Clique covering and clique partition in generalizations of line graphs 56 (1995) 93– 98
Proskurowski, A., see A.M. Farley 53 (1994) 37– 53
Provan, J.S., see C.J. Colbourn 60 (1995) 119–129
Pruhs, K.R., Using local adaptations to reconfigure a spanning tree of a network 57 (1995) 67– 74
Punnen, A.P. and K.P.K. Nair, Improved complexity bound for the maximum cardinality bottleneck bipartite matching problem 55 (1994) 91– 93

Quilliot, A. and S.X. Chao, Algorithmic characterizations of interval ordered hypergraphs and applications 51 (1994) 159–170

Rajpal, S., On paving matroids and a generalization of MDS codes 60 (1995) 343–347
Rampon, J.-X., see S. Felsner 51 (1994) 85– 93
Raspaud, A., see D. Barth 56 (1995) 127–135
Ravishankar, K. and S. Singh, Broadcasting on $[0, L]$ 53 (1994) 299–319
Reed, B., Rooted routing in the plane 57 (1995) 213–227
Richards, D., see L. Gargano 53 (1994) 135–148
Rinnooy Kan, A.H.G., see A.W.J. Kolen 55 (1994) 145–162
Rivera-Campo, E., see J. Czyzowicz 51 (1994) 325–328
Roberts, F.S., see J.-P. Barthélemy 60 (1995) 39– 76
Rodriguez, J., see F.T. Boesch 59 (1995) 1– 10
Rosenstiehl, P., see H. de Fraysseix 56 (1995) 157–179
Rothblum, U.G., see H.G. Abeledo 54 (1994) 1– 27
Roucairol, C., see T. Mautor 55 (1994) 281–293

Rudolf, R., Recognition of *d*-dimensional Monge arrays	52 (1994)	71– 82
Rudolf, R., see B. Klinz	60 (1995)	223–248
Ruskey, F., M. Jiang and A. Weston, The Hamiltonicity of directed σ–τ Cayley graphs (Or: A tale of backtracking)	57 (1995)	75– 84
Ryan, J., The depth and width of local minima in discrete solution spaces	56 (1995)	75– 82
Ryan, J., see D.C. Fisher	56 (1995)	87– 91
Sachs, H. and H. Zernitz, Remark on the dimer problem	51 (1994)	171–179
Saclé, J.-F., see M. Mahéo	53 (1994)	275–285,
Saclé, J.-F., see M. Mahéo	53 (1994)	287–290
Salowe, J.S., Euclidean spanner graphs with degree four	54 (1994)	55– 66
Sanchis, L.A., Generating hard and diverse test sets for NP-hard graph problems	58 (1995)	35– 66
Sanlaville, E., Nearly on line scheduling of preemptive independent task	57 (1995)	229–241
Sanlaville, E., see Z. Liu	58 (1995)	253–280
Saruwatari, Y., see M. Shigeno	56 (1995)	333–343
Schaar, G., Remarks on Hamiltonian properties of powers of digraphs	51 (1994)	181–186
Schäffer, A.A., see F. Aurenhammer	52 (1994)	17– 28
Schieber, B., see A. Bar-Noy	58 (1995)	213–222
Schiermeyer, I., see H.J. Broersma	51 (1994)	39– 46
Schlipf, J.S., see K.A. Berman	60 (1995)	77– 91
Schmitt, W.R. and M.S. Waterman, Linear trees and RNA secondary structure	51 (1994)	317–323
Schulz, A.S., The permutahedron of series-parallel posets	57 (1995)	85– 92
Seifter, N., see S. Klavžar	59 (1995)	129–136
Servatius, B., see A. Bagchi	60 (1995)	25– 37
Sevast'janov, S.V., On some geometric methods in scheduling theory: a survey	55 (1994)	59– 82
Shakhlevich, N.V., see Yu.N. Sotskov	59 (1995)	237–266
Shallit, J., see P. Enflo	52 (1994)	275–285
Shawe-Taylor, J., see M. Anthony	52 (1994)	211–211
Sher, D.B., see X. He	59 (1995)	33– 50
Sherali, H.D. and W.P. Adams, A hierarchy of relaxations and convex hull characterizations for mixed-integer zero-one programming problems	52 (1994)	83–106
Shi, W., see A. Bagchi	60 (1995)	25– 37
Shigeno, M., Y. Saruwatari and T. Matsui, An algorithm for fractional assignment problems	56 (1995)	333–343
Singh, S., see K. Ravishankar	53 (1994)	299–319
Slater, P.J., see D.L. Grinstead	54 (1994)	151–168

Smetanich, Y.S., Y.B. Kazanovich and V.V. Kornilov, A combinatorial approach to the problem of self-assembly	57 (1995)	45– 66
Solé, P., Expanding and forwarding	58 (1995)	67– 78
Soma, N.Y., A.S.I. Zinober, H.H. Yanasse and P.J. Harley, A polynomial approximation scheme for the subset sum problem	57 (1995)	243–253
Sotskov, Yu.N., V.K. Leontev and E.N. Gordeev, Some concepts of stability analysis in combinatorial optimization	58 (1995)	169–190
Sotskov, Yu.N. and N.V. Shakhlevich, NP-hardness of shop-scheduling problems with three jobs	59 (1995)	237–266
Spencer, J., see N. Alon	57 (1995)	1– 10
Spieker, B., The set of super-stable marriages forms a distributive lattice	58 (1995)	79– 84
Spinrad, J. and R. Sritharan, Algorithms for weakly triangulated graphs	59 (1995)	181–191
Sritharan, R., see J. Spinrad	59 (1995)	181–191
Srivastav, A. and P. Stangier, Weighted fractional and integral k-matching in hypergraphs	57 (1995)	255–269
Stangier, P., see A. Srivastav	57 (1995)	255–269
Stöhr, E., see R. Klasing	53 (1994)	183–197
Strusevich, V.A., Two machine flow shop scheduling problem with no wait in process: Controllable machine speeds	59 (1995)	75– 86
Sudan, M., see R. Motwani	54 (1994)	81– 88
Sun, F., see U.N. Peled	60 (1995)	311–318
Sun, X., see E. Boros	55 (1994)	1– 13
Swaminathan, R.P. and D.K. Wagner, The arborescence-realization problem	59 (1995)	267–283
Syslo, M.M., On some new types of greedy chains and greedy linear extensions of partially ordered sets	60 (1995)	349–358
Syslo, M.M., see P. Winter	54 (1994)	267–280
Tamura, S., see T. Matsui	56 (1995)	311–321
Tan, J.J.M. and Y.-C. Hsueh, A generalization of the stable matching problem	59 (1995)	87–102
Tesman, B., see J.-P. Barthélemy	60 (1995)	39– 76
Tetali, P., see N. Alon	57 (1995)	1– 10
Tinhofer, G., see L. Babel	51 (1994)	3– 25
Tomescu, I. and M. Zimand, Minimum spanning hypertrees	54 (1994)	67– 76
Trenk, A.N., Generalized perfect graphs: Characterizations and inversion	60 (1995)	359–387
Trystram, D., see P. Michallon	53 (1994)	291–298
Tuza, Z., Inequalities for minimal covering sets in set systems of given rank	51 (1994)	187–195

Tuza, Z., see P. Hell	52 (1994)	295–306
Urrutia, J., see J. Czyzowicz	51 (1994)	325–328
Urrutia, J., see F. Gavril	52 (1994)	195–209
Ustimenko, V.A., see F. Lazebnik	60 (1995)	275–284
Valerio, M., L.E. Moser and P.M. Melliar-Smith, Classic squares and broadcast squares	54 (1994)	89– 96
van de Velde, S.L., see J.A. Hoogeveen	55 (1994)	259–272
van Hoesel, C.P.M., see A.W.J. Kolen	55 (1994)	145–162
Vannelli, A., see W. Liu	59 (1995)	137–151
Van Scoy, F.L. and J.A. Brooks, Broadcasting multiple messages in a grid	53 (1994)	321–336
Veltman, B., see J.A. Hoogeveen	55 (1994)	259–272
Vertigan, D., see C.J. Colbourn	60 (1995)	119–129
Vince, A., see W.Z. Kitto	52 (1994)	39– 51
Vishkin, U., see O. Berkman	57 (1995)	11– 28
Voigt, M. and H. Walther, Chromatic number of prime distance graphs	51 (1994)	197–209
Volkmann, L., On graphs with equal domination and covering numbers	51 (1994)	211–217
von Arnim, A. and C. de la Higuera, Computing the jump number on semi-orders is polynomial	51 (1994)	219–232
Vrt'o, I., Two remarks on "Expanding and Forwarding" by P. Solé	58 (1995)	85– 89
Wagelmans, A.P.M., see A.W.J. Kolen	55 (1994)	145–162
Wagner, D.K., see R.P. Swaminathan	59 (1995)	267–283
Wagner, F., see F. Aurenhammer	52 (1994)	17– 28
Walther, H., see J. Harant	51 (1994)	103–105
Walther, H., see M. Voigt	51 (1994)	197–209
Wanke, E., *k*-NLC graphs and polynomial algorithms	54 (1994)	251–266
Waterman, M.S., see W.R. Schmitt	51 (1994)	317–323
Wei, W.-D., see J.Y.-T. Leung	51 (1994)	307–323
Werner, F. and A. Winkler, Insertion techniques for the heuristic solution of the job shop problem	58 (1995)	191–211
Werner, F., see H. Bräsel	59 (1995)	11– 21
Wessels, J., see J. Korst	51 (1994)	291–305
Westbrook, J., see K. Keeler	58 (1995)	239–252
Weston, A., see F. Ruskey	57 (1995)	75– 84
Wilson, D.C., see W.Z. Kitto	52 (1994)	39– 51
Winkler, A., see F. Werner	58 (1995)	191–211
Winter, P. and M.M. Syslo, Maximal outerplanar graphs with perfect face-independent vertex covers	54 (1994)	267–280

Woeginger, G.J., see H.L. Bodlaender	55 (1994)	219–232
Woeginger, G.J., see B. Klinz	60 (1995)	223–248
Wolsey, L.A., see Y. Pochet	59 (1995)	57– 74
Wood, D., see H. Cameron	55 (1994)	15– 35
Woźniak, M., Embedding graphs of small size	51 (1994)	233–241
Wunsch, J., The Shields–Harary number for wheel and broken wheel graphs	59 (1995)	193–199
Yamasaki, M., see K.O. Kortanek	58 (1995)	19– 33
Yanasse, H.H., see N.Y. Soma	57 (1995)	243–253
Yinnone, H., Maximum number of disjoint paths connecting specified terminals in a graph	55 (1994)	183–195
Yu, S., see P. Enflo	52 (1994)	275–285
Yu, V.K.M., see J.Y.-T. Leung	51 (1994)	307–316
Zernitz, H., see H. Sachs	51 (1994)	171–179
Zhang, F., see X. Li	51 (1994)	107–111
Zimand, M., see I. Tomescu	54 (1994)	67– 76
Zinober, A.S.I., see N.Y. Soma	57 (1995)	243–253

INFORMATION PROCESSING LETTERS

Devoted to the Rapid Publication of Short Contributions to Information Processing

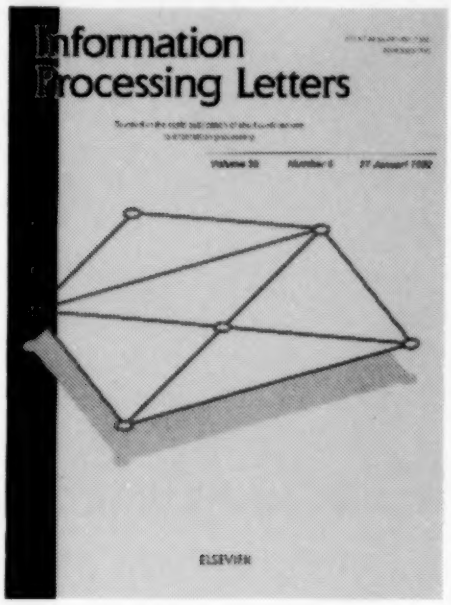
■ EDITORS

Managing Editors:

F. Dehne, *Carleton University, School of Computer Science, Ottawa, Ontario, Canada K1S 5B6,*
D. Gries, *Cornell University, Department of Computer Science, 4115 Upson Hall, Ithaca, NY 14853-7501, USA*
W.M. Turski, *Warsaw University, Institute of Informatics, Banacha 2, 02-097 Warsaw, Poland*

Board of Editors:

S.G. Akl, *Queen's University, Kingston, Ontario, Canada,*
G.R. Andrews, *University of Arizona, Tucson, AZ, USA,*
M.J. Atallah, *Purdue University, West Lafayette, IN, USA,* **R. Bird**, *Oxford University Computing Lab., Oxford, UK,* **L. Boasson**, *Université de Paris VII, France,*
D. Dolev, *Hebrew University of Jerusalem, Israel,* **R.G. Dromey**, *Griffith University, Brisbane, Australia,* **H. Ganzinger**, *Max-Planck-Institut für Informatik, Saarbrücken, Germany,*
L.A. Hemaspaandra, *University of Rochester, NY, USA,* **K. Ikeda**, *Kyoto University, Japan,* **L. Kott**, *INRIA, Le Chesnay, France,*
T. Lengauer, *GMD-I1, Schloss Birlinghoven, St. Augustin, Germany,* **V. Ramachandran**, *University of Texas, Austin, TX, USA,* **F.B. Schneider**, *Cornell University, Ithaca, NY, USA,*
P. Vitányi, *CWI, Amsterdam, The Netherlands* and **S. Zaks**, *Technion - Israel Institute of Technology, Haifa, Israel*



Access our electronic awareness service on the World Wide Web
URL: http://www.elsevier.nl

ELSEVIER
An Imprint of Elsevier Science

■ AUDIENCE

Computer Scientists (in the broadest sense), Computer and Systems Programmers.

■ AIMS AND SCOPE

The aim of the journal is to allow the **rapid dissemination** of interesting results in the field of information processing, in the form of short concise papers. These center around system architecture and application programs, and include topics such as theoretical aspects of computer and systems programming, and problems of hardware design connected with software production.

The publication of research reports on current work will enable readers to learn about projects which are being actively pursued while the work is still under way.

■ ABSTRACTED/INDEXED IN

ABI/Inform, ACM Computing Reviews, Cambridge Scientific Abstracts, COMPUSCIENCE, Computer Abstracts, Current Contents: Engineering, Technology & Applied Science, Engineering Index/Compendex, INSPEC Information Services, Information Science Abstracts, Mathematical Reviews, Zentralblatt für Mathematik.

■ 1995 SUBSCRIPTION DATA

Volumes 53-56 (in 24 issues)
Subscription price:
Dfl. 1780.00 (US$937.00) incl. post
ISSN 0020-0190

INFORMATION PROCESSING LETTERS

Please send this order form or a photocopy to your regular supplier or to:
ELSEVIER SCIENCE
Customer Service Department
P.O. Box 211
1000 AE Amsterdam, The Netherlands

Customers in the USA/Canada, send to:
ELSEVIER SCIENCE
Customer Service Department
P.O. Box 945
New York, NY 10159-0945, USA

❑ Please enter my 1995 subscription
❑ Please send me a FREE inspection copy

❑ Payment enclosed: (Bank Draft / Eurocheque / International Money Order / Postal Cheque / Personal Cheque / Official Purchase Order Form / UNESCO Coupons)
❑ Please send me a pro forma invoice
❑ Charge my credit card: (Access / Eurocard / American Express / MasterCard / VISA)

Card Number ..... Valid Until .....
Name ..... Initials .....
Address .....
City ..... Postal/Zip Code .....
Country .....
VAT Registration Number .....
Signature ..... Date .....

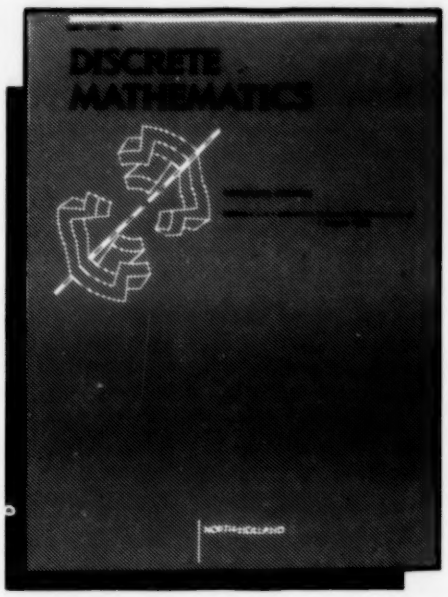
Non VAT registered customers in the European Union should add the appropriate VAT rate applicable in their country to the price. The Dutch Guilder (Dfl.) price quoted applies worldwide, except in the Americas (North, Central and South America). The US Dollar (US $) price quoted applies in the Americas only. Journals are sent by surface mail to all countries, except the following, where air delivery via SAL mail is ensured at no extra cost to the subscriber: Argentina, Australia, Brazil, Canada, Hong Kong, India, Israel, Japan, Malaysia, Mexico, New Zealand, Pakistan, P.R. of China, Singapore, South Africa, South Korea, Taiwan, Thailand and USA.

DISCRETE MATHEMATICS

Editor-in-Chief:
Peter L. Hammer, *Rutgers University, RUTCOR, P.O. Box 5062, New Brunswick, NJ 08903-5062, USA*

AIMS AND SCOPE

The aim of *Discrete Mathematics* is to bring together research papers in different areas of discrete mathematics. Contributions presented to the journal can be research papers, short notes, communications, occasional survey articles, and research problems. The 'Communications' section is devoted to the fastest possible publication of the brief outlines of recent research results. *Discrete Mathematics* also publishes a limited number of book announcements, as well as proceedings of conferences. The journal presents papers in combinatorical mathematics and related areas. The fields covered by *DM* include in particular: graph and hypergraph theory, network theory, coding theory, block designs, lattice theory, the theory of partially ordered sets, combinatorial geometries, matroid theory, extremal set theory, logic and automata, matrices, polyhedra, and discrete probability theory.



NORTH-HOLLAND
(An Imprint of Elsevier Science)

ABSTRACTED/INDEXED IN

ACM Computing Reviews, Cambridge Scientific Abstracts, Current Contents: Physical, Chemical & Earth Sciences, International Abstracts in Operations Research, Mathematical Reviews, PASCAL, Science Citation Index, Zentralblatt für Mathematik.

1995 SUBSCRIPTION DATA

Volumes 134-146 (in 39 issues)
Subscription price:
Dfl. 4355.00 (US$2292.00)
incl. postage
ISSN 0012-365X

DISCRETE MATHEMATICS
and DISCRETE APPLIED
MATHEMATICS
1995 (63 issues)
Combined subscription price:
Dfl. 6300.00 (US$ 3316.00)
incl. postage

ORDER FORM

Send this form (or a photocopy) to your regular supplier or to:
ELSEVIER SCIENCE B.V.
P.O. Box 103, 1000 AC Amsterdam,
The Netherlands, FAX: +31 (20) 485 2616

in the USA/Canada:
Attn: **Journal Information Center**
P.O. Box 945
New York, NY 10159-0945

❒ Please send me a free inspection copy of **DISCRETE MATHEMATICS**

❒ Please enter my 1995 subscription to **DISCRETE MATHEMATICS**

❒ Please enter my combined 1995 subscription to **DISCRETE MATHEMATICS** and **DISCRETE APPLIED MATHEMATICS**

❒ Yes, I would like to be on your mailing list (mailing code 08305 - Combinatorics/ Discrete Mathematics)

❒ **Please send me a pro forma invoice**

❒ **Payment enclosed:** (BankDraft / Eurocheque / International Money Order / Personal Cheque / PostalCheque / Offical Purchase Order Form)

❒ **Please charge my credit card:**

❒ MasterCard ❒ Eurocard ❒ Access ❒ VISA ❒ American Express

Card no. _____ Expiry Date _____

Name _____

Address _____

City _____ Zip Code _____

Country _____

VAT Registration no.: _____

Signature _____ Date _____

The Dutch Guilder (Dfl.) price quoted applies worldwide, except in the Americas (North, Central and South America). US Dollar (US$) price quoted applies in the Americas only. Customers in the European Union should add the appropriate VAT rate applicable in their country to the price.

SCOPE OF THE JOURNAL

The aim of this journal is to bring together research papers in different areas of algorithmic and applicable discrete mathematics, as well as applications of combinatorial mathematics to computer science, OR and various areas of science and technology.
Contributions presented to the journal can be research papers, short notes, surveys, and possibly research problems. The "Communications" section will be devoted to the fastest possible publication of the brief outlines of recent research results, the detailed presentation of which might be submitted for possible publication in DAM or elsewhere. The journal will also publish a limited number of book announcements, as well as proceedings of conferences.

INSTRUCTIONS TO AUTHORS

All contributions should be written in English or French, should have an abstract in English (as well as one in French if the paper is written in French) and – with the exception of Communications – should be sent in triplicate to Nelly Segal, Editorial Manager, RUTCOR – Rutgers Center for Operations Research, Rutgers University, P.O. Box 5062, New Brunswick, NJ 08903–5062, USA. The authors are requested to put their mailing address on the manuscript.
Upon acceptance of an article, the author(s) will be asked to transfer copyright of the article to the Publisher. This transfer will ensure the widest possible dissemination of information.
No page charge is made.
Manuscripts submitted for the Communications section, having at most 5 typewritten pages, should be sent to a member of the editorial board in triplicate. Detailed proofs do not have to be included, but results must be accompanied at least by rough outlines of their proofs. Subsequent publication in this journal or elsewhere of the full text of a research report, the outline of which has been published in the Communications section of our journal, is not excluded. Every effort shall be made for the fastest possible publication of Communications. Consequently the presentation of these manuscripts should be very clear.
Please make sure that the paper is submitted in its final form. Corrections in the proofstage, other than of printer's errors, should be avoided; costs arising from such extra corrections will be charged to the authors.
The manuscript should be prepared for publication in accordance with instructions given in the "Instructions to Authors" (available from the Publisher) details of which are condensed below:

1. The manuscript must be typed on one side of the paper in double spacing with wide margins. A duplicate copy should be retained by the author.
2. Special care should be given to the preparation of the drawings for figures and diagrams. Except for a reduction in size, they will appear in the final printing in exactly the same form as they were submitted by the author; normally they will not be redrawn by the printer. In order to make a photographic reproduction possible, all drawings should be on separate sheets, with wide margins, drawn large size, in India ink, and carefully lettered. Exceptions are diagrams only containing formulae and a small number of single lines (or arrows); these can be typeset by the printer.
3. References should be listed alphabetically, in the same way as the following examples:
   For a book: W.K. Chen, Applied Graph Theory (North-Holland, Amsterdam, 1971).
   For a paper in a journal: J. Rhodes and B.R. Tilson, Lower bounds for complexity of finite semigroups, J. Pure Appl. Algebra 1 (1971) 79–95.
   For a paper in a contributed volume: M.O. Rabin, Weakly definable relations and special automata, in: Y. Bar-Hillel, ed., Mathematical Logic and Foundations of Set Theory (North-Holland, Amsterdam, 1970) 1–23.
   For an unpublished paper: D. Allen, Relations between the local and global structure of finite semigroups, Ph.D. Thesis, University of California, Berkeley, CA (1968).

INSTRUCTIONS FOR LaTeX MANUSCRIPTS

The LaTeX files of papers that have been accepted for publication may be sent to the Publisher by e-mail or on a diskette (3.5″ or 5.25″ MS-DOS). If the file is suitable, proofs will be produced without rekeying the text. The article should be encoded in Elsevier-LaTeX, standard LaTeX, or AMS-LaTeX (in document style 'article'). The Elsevier-LaTeX package, together with instructions on how to prepare a file, is available from the Publisher. This package can also be obtained through the Elsevier WWW home page (http://www.elsevier.nl/), or using anonymous FTP from the Comprehensive TeX Archive Network (CTAN). The host-names are: ftp.dante.de, ftp.tex.ac.uk, ftp.shsu.edu; the directory is: /tex-archive/macros/latex/contrib/supported/elsevier. No changes from the accepted version are permissible, without the explicit approval by the Editor. The Publisher reserves the right to decide whether to use the author's file or not. If the file is sent by e-mail, the name of the journal, *Discrete Applied Mathematics*, should be mentioned in the 'subject field' of the message to identify the paper. Authors should include an ASCII table (available from the Publisher) in their files to enable the detection of transmission errors.
The files should be mailed to: Carla Boon, Elsevier Science B.V., P.O. Box 103, 1000 AC Amsterdam, Netherlands. Fax: (31-20) 4852616. E-mail: p.boer@elsevier.nl.

AUTHORS' BENEFITS

1. 50 reprints per contribution free of charge.
2. 30% discount on all Elsevier Science B.V. books (order forms will be sent together with the proofs).

US mailing notice – Discrete Applied Mathematics (0166-218X) is published semi-monthly except monthly in June, August, September, October, November and December (total 18 issues) by Elsevier Science B.V. (Molenwerf 1, Postbus 211, 1000 AE Amsterdam). Annual subscription price in the USA US$ 1410.00 (US$ price valid in North, Central and South America only), including air speed delivery. Second class postage paid at Jamaica, NY 11431.

USA POSTMASTERS: Send address changes to Discrete Applied Mathematics, Publication Expediting, Inc., 200 Meacham Avenue, Elmont, NY 11003. Air freight and mailing in the USA by Publication Expediting.

THEORETICAL COMPUTER SCIENCE

■ EDITORS

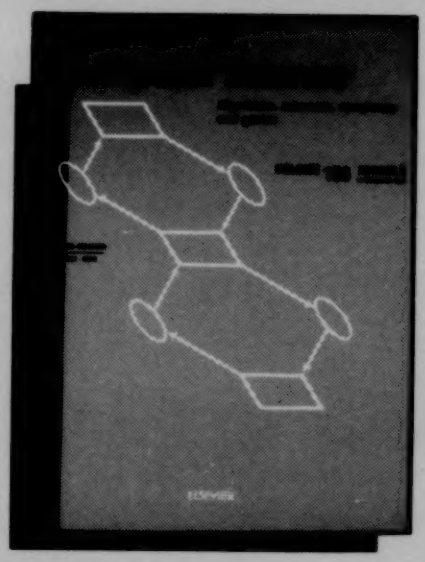
Editor-in-Chief:
M. Nivat, *Univerité de Paris VII, Laboratoire d'Informatique Théorique et Programmation, B.P.1, F-95570 Moisselles, France*

Mathematical Games Section Editor:
A.S. Fraenkel, *Weizmann Institute of Science, Rehovot, Israel*

Mathematical Games Editors:
C. Berge, *CNRS, COMBINATOIRE, Paris, France*, **E.R. Berlekamp**, *University of California, Berkeley, CA, USA*, **H.J. Berliner**, *Carnegie-Mellon University, Pittsburgh, PA, USA*, **J.H. Conway**, *Princeton University, NJ, USA*, **R.K. Guy**, *University of Calgary, Alta., Canada*, **R. Penrose**, *Oxford University, UK* and **J.H. van Lint**, *T.U. Eindhoven, The Netherlands*

Surveys & Tutorials Editors:
J. Gallier, *University of Pennsylvania, Philadelphia, PA, USA*, **J. van Leeuwen**, *University of Utrecht, The Netherlands* and **M. Nivat**, *Université de Paris VII, Moisselles, France*

Editorial Board:
S. Abramsky, *UK*, **A. Apostolico**, *Italy*, **G. Ausiello**, *Italy*, **J. Becvár**, *Czech Republic*, **C. Böhm**, *Italy*, **J. Boissonat**, *France*, **R.V. Book**, *USA*, **K.-Y. Chwa**, *South Korea*, **M. Crochemore**, *France*, **F. Cucker**, *Spain*, **P.-L. Curien**, *France*, **J.W. de Bakker**, *The Netherlands*, **J. Díaz**, *Spain*, **P. Flajolet**, *France*, **P. Freyd**, *USA*, **E. Goles**, *Chile*, **S. Goto**, *Japan*, **Y. Gurevich**, *USA*, **M.A. Harrison**, *USA*, **O.H. Ibarra**, *USA*, **M. Ito**, *Japan*, **G. Jäger**, *Switzerland*, **Xu Jiafu**, *People's Republic of China*, **P. Kanellakis**, *USA*, **V. Kotov**, *USA*, **A.A. Leticevskii**, *Ukraine*, **G. Levi**, *Italy*, **Z. Manna**, *USA*, **A.R. Meyer**, *USA*, **G. Mirkowska**, *France*, **M.W. Mislove**, *USA*, **I. Mitrani**, *UK*, **S. Miyano**, *Japan*, **U. Montanari**, *Italy*, **V. Pan**, *USA*, **M.S. Paterson**, *UK*, **D. Peleg**, *Israel*, **D. Perrin**, *France*, **G.D. Plotkin**, *UK*, **F.D. Preparata**, *USA*, **H. Prodinger**, *Austria*, **G. Rozenberg**, *The Netherlands*, **A. Salomaa**, *Finland*, **A.L. Semenov**, *Russia*, **E. Shamir**, *Israel*, **I. Simon**, *Brazil*, **M. Sintzoff**, *Belgium*, **R. Siromoney**, *India*, **J. Staples**, *Australia*, **M. Takahashi**, *Japan*, **P.S. Thiagarajan**, *India*, **W. Thomas**, *Germany*, **J. Tiuryn**, *Poland*, **S. Tripathi**, *USA*, **J.D. Ullman**, *USA*, **O. Watanabe**, *Japan*, **M. Wirsing**, *Germany*, **F. Yao**, *USA* and **P. Young**, *USA*



Access our electronic awareness service on the World Wide Web URL: http://www.elsevier.nl

■ ABSTRACTED/INDEXED IN

ACM Computing Reviews, COMPUSCIENCE, Computer Abstracts, Current Contents: Engineering, Technology & Applied Science, Engineering Index/Compendex, INSPEC Information Services, Mathematical Reviews, Zentralblatt für Mathematik.

ELSEVIER
An Imprint of Elsevier Science

■ AIMS AND SCOPE

Theoretical Computer Science is mathematical and abstract in spirit, but it derives its motivation from practical and everyday computation. Its aim is to understand the nature of computation and, as a consequence of this understanding, provide more efficient methodologies. All papers introducing or studying mathematical, logic and formal concepts and methods are welcome, provided that their motivation is clearly drawn from the field of computing.

Papers published in ***Theoretical Computer Science*** are grouped in two sections according to their nature. One section, 'Algorithms, automata, complexity and games' is devoted to the study of algorithms and their complexity using analytical, combinatorial or probabilistic methods. It includes the whole field of abstract complexity (i.e. all the results about the hierarchies that can be defined using Turing machines), the whole field of automata and language theory (including automata on infinite words and infinitary languages), the whole field of geometrical (graphic) applications and the whole field of measurement of system performance using statistical methods. The subsection Mathematical Games is devoted (but not restricted) to the mathematical and computational analysis of games. It also covers connections or applications of games to areas such as complexity, graph and matroid theory, networks, coding theory, logic and surreal numbers.

The other section, 'Logic, semantics and theory of programming', is devoted to formal methods to check properties of programs or implement formally described languages; it contains all papers dealing with semantics of sequential and parallel programming languages. All formal methods treating these problems are published in this section, including rewriting techniques, abstract data types, automatic theorem proving, calculi such as SCP or CCS, Petri nets, new logic calculi and developments in categorical methods.

■ 1995 SUBSCRIPTION DATA

Volumes 136-152 (in 34 issues)
Subscription price:
Dfl. 5270.00 (US$2774.00) incl. postage
ISSN 0304-3975

Also available as a combined subscription with: ***Science of Computer Programming***
Combined subscription price:
Dfl. 5415.00 (US$2850.00) incl. postage

THEORETICAL COMPUTER SCIENCE

Please send this order form or a photocopy to your regular supplier or to:
ELSEVIER SCIENCE
Customer Service Department
P.O. Box 211
1000 AE Amsterdam, The Netherlands

Customers in the USA/Canada, send to:
ELSEVIER SCIENCE
Customer Service Department
P.O. Box 945
New York, NY 10159-0945, USA

- ❑ Please enter my 1995 subscription
- ❑ Please send me a FREE inspection copy
- ❑ Payment enclosed: (Bank Draft / Eurocheque / International Money Order / Postal Cheque / Personal Cheque / Official Purchase Order Form / UNESCO Coupons)
- ❑ Please send me a pro forma invoice
- ❑ Charge my credit card: (Access / Eurocard / American Express / MasterCard / VISA)

Card Number ..... Valid Until .....
Name ..... Initials .....
Address .....
City ..... Postal/Zip Code .....
Country .....
VAT Registration Number .....
Signature ..... Date .....

Non VAT registered customers in the European Union should add the appropriate VAT rate applicable in their country to the price. The Dutch Guilder (Dfl.) price quoted applies worldwide, except in the Americas (North, Central and South America). The US Dollar (US $) price quoted applies in the Americas only. Journals are sent by surface mail to all countries, except the following, where air delivery via SAL mail is ensured at no extra cost to the subscriber: Argentina, Australia, Brazil, Canada, Hong Kong, India, Israel, Japan, Malaysia, Mexico, New Zealand, Pakistan, P.R. of China, Singapore, South Africa, South Korea, Taiwan, Thailand and USA.

0166-218X(1995)51/60;1-S